

Wieland 1910 Wilaform Gold

Category : Metal , Nonferrous Metal , Precious Metal , Gold Alloy

Material Notes:

Nickel and palladium-free white gold alloy with beautiful white color.Applications: casting, laminar decoration, pipes, tubingDental

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wieland-1910-Wilaform-Gold.php

Physical Properties	Metric	English	Comments
Density	13.1 g/cc	0.473 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	200	200	HV5; glowd
Tensile Strength, Ultimate	745 MPa	108000 psi	
Elongation at Break	45 %	45 %	

Thermal Properties	Metric	English	Comments
Melting Point	840 - 860 °C	1540 - 1580 °F	
Solidus	840 °C	1540 °F	
Liquidus	860 °C	1580 °F	

Component Elements Properties	Metric	English	Comments
Cobalt, Co	0.70 %	0.70 %	
Copper, Cu	20.4 %	20.4 %	
Gold, Au	59 %	59 %	
Manganese, Mn	8.4 %	8.4 %	
Silver, Ag	11 %	11 %	
Zinc, Zn	0.50 %	0.50 %	

Processing Properties	Metric	English	Comments
Processing Temperature	600.0 °C	1112 °F	Cuvette Temp
Casting Temperature	960 - 1060 °C	1760 - 1940 °F	

Descriptive Properties	Value	Comments
Color	white	

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